

CSC Adopted: October 2001 , CSC Revised: _____**Class Title: Traffic Signal Technician III****BRIEF DESCRIPTION OF THE CLASSIFICATION:**

Installs, maintains and repairs various City microprocessor based traffic signals and monitors the traffic management system. Responds to after hours service calls as needed. Works with the emergency storm response teams.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the classification. The following examples do not identify all duties performed by any single incumbent. Specific requirements of individual positions are described in the Job Description.

Physical Strength Code		ESSENTIAL FUNCTIONS
1	H	Installs and rebuilds signals by setting up a work zone, pulling wire, installing or repairing concrete foundations, repairing signal control cabinets, installing detection loops, conduit and hand holes, and building signals from parts.
2	H	Responds to service calls by diagnosing the problem and replacing components damaged by vehicles or storms.
3	S	Performs other duties by filling out work orders, job sheets and material orders.

CSC Adopted: October 2001 , CSC Revised: _____**CLASS REQUIREMENTS:**

CLASS REQUIREMENTS	
Formal Education / Knowledge	Work requires knowledge necessary to understand basic operational, technical, or office processes. Level of knowledge equivalent to four years of high school or equivalency.
Experience	One year experience as an Electrician.
Certifications and Other Requirements	Valid CDL Driver's License, Journeyman Electrician, IMSA Level II
Reading	Work requires the ability to read technical manuals, specifications, blueprints, and catalogs.
Math	Work requires the ability to perform general math calculations such as addition, subtraction, multiplication and division.
Writing	Work requires the ability to write work orders, material orders, and time sheets.
Managerial	Managerial responsibilities include estimating the amount time, materials and personnel needed to complete projects.
Budget Responsibility	N/A
Supervisory / Organizational Control	Job has no responsibility for the direction or supervision of others.
Complexity	Work involves choices of action within limits set by standard practices and procedures. Professional judgment is required to apply the proper course of action.
Interpersonal / Human Relations Skills	Contacts others within the organization. These contacts may involve similar work units or departments within the City which may be involved in decision making or providing approval or decision making authority for purchases or projects. Vendors and suppliers may also be called upon for information on purchases, supplies or products. Meetings and discussions may be conducted with customers, motorists and sales representatives.

CSC Adopted: **October 2001** , CSC Revised: _____**OVERALL PHYSICAL STRENGTH DEMANDS:**

Sedentary	Light	Medium	Heavy X	Very Heavy
S = Sedentary Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time	L = Light Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	M = Medium Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	H = Heavy Exerting 50-100 lbs. occasionally, 25-50 lbs. frequently, or up to 10-20 lbs. constantly.	VH = Very Heavy Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

PHYSICAL DEMANDS:

C = Continuously 2/3 or more of the time.	F = Frequently From 1/3 to 2/3 of the time.	O = Occasionally Up to 1/3 of the time.	R = Rarely Less than 1 hour per week.	N = Never Never occurs.
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This is a description of the way the job is currently performed; it does not address the potential for accommodation.

PHYSICAL DEMANDS	FREQUENCY CODE	DESCRIPTION
Standing	F	Field work
Sitting	O	Driving, desk work, equipment repairs
Walking	F	To and from tools and equipment
Lifting	F	Traffic signals, tools, equipment
Carrying	F	Traffic signals, tools, equipment
Pushing/Pulling	F	Tools, equipment
Reaching	F	Traffic signals, tools, equipment
Handling	O	Tools, equipment
Fine Dexterity	F	Connecting wires
Kneeling	F	Equipment repairs
Crouching	F	Equipment repairs
Crawling	N	
Bending	F	Lifting tools and equipment
Twisting	F	Lifting tools and equipment
Climbing	F	Onto equipment
Balancing	C	On platforms
Vision	C	Equipment repairs, driving, deskwork, reading
Hearing	C	Staff, supervisor
Talking	F	Staff, supervisor
Foot Controls	F	Driving
Other (specify)	N	

CSC Adopted: **October 2001** , CSC Revised: _____**MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:**

Hand tools, air compressor, bucket truck, ditching machine, auger, digger trucks, computer, microprocessor based controllers, bi-trans software

ENVIRONMENTAL FACTORS:

D = Daily	W = Several Times Per Week	M = Several Times Per Month	S = Seasonally	N = Never
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HEALTH AND SAFETY		ENVIRONMENTAL FACTORS		PRIMARY WORK LOCATION	
Mechanical Hazards	D	Dirt and Dust	D	Office Environment	--
Chemical Hazards	W	Extreme Temperatures	D	Warehouse	--
Electrical Hazards	D	Noise and Vibration	D	Shop	--
Fire Hazards	W	Fumes and Odors	D	Vehicle	--
Explosives	W	Wetness/Humidity	D	Outdoors	X
Communicable Diseases	N	Darkness or Poor Lighting	W	Other (see 2 below)	--
Physical Danger or Abuse	D				
Other (see 1 below)	N				

(1)

(2)

PROTECTIVE EQUIPMENT REQUIRED:

Steel toed shoes, hard hat, gloves, hearing protection, body harness, face shield, rain gear, safety vest

NON-PHYSICAL DEMANDS:

C = Continuously 2/3 or more of the time.	F = Frequently From 1/3 to 2/3 of the time.	O = Occasionally Up to 1/3 of the time.	R = Rarely Less than 1 hour per week.	N = Never Never occurs.
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NON-PHYSICAL DEMANDS	
Time Pressures	O
Emergency Situations	O
Frequent Change of Tasks	F
Irregular Work Schedule/Overtime	O
Performing Multiple Tasks Simultaneously	F
Working Closely with Others as Part of a Team	F
Tedious or Exacting Work	O
Noisy/Distracting Environment	F
Other (see 3 below)	N

(3)